



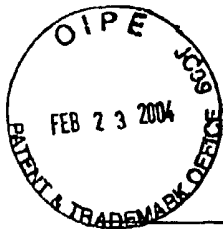
SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	50026/012004
	Serial No.	09/905,591
	Applicant	Keiya Ozawa et al.
	Filing Date	July 13, 2001
	Group	1634
	IDS Filed	February 19, 2004

U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
B&H	5,686,281	Nov. 11, 1997	Roberts			
	5,747,292	May 5, 1998	Greenberg et al.			
B&H	6,416,998	Jul. 9, 2002	O'Malley et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
B&H	Anderson, "Human Gene Therapy" <i>Nature</i> 392(Supp.):25-30 (1998).
	Check, "Cancer Fears Cast Doubts on Future of Gene Therapy" <i>Nature</i> 421:678 (2003).
	Cui et al., "Inhibitory Effect of a Soluble Transforming Growth Factor β Type II Receptor on the Activation of Rat Hepatic Stellate Cells in Primary Culture" <i>Journal of Hepatology</i> 39:731-737 (2003).
	Finer et al., "kat: A High-Efficiency Retroviral Transduction System for Primary Human T Lymphocytes" <i>Blood</i> 83:43-50 (1994).
	Juengst, "What Next for Human Gene Therapy" <i>BMJ</i> 326:1410-1411 (2003).
	Kakuta et al., "Inhibition of B16 Melanoma Experimental Metastasis by Interferon- γ through Direct Inhibition of Cell Proliferation and Activation of Antitumour Host Mechanisms," <i>Immunology</i> 105:92-100 (2002).
	Kmiec "Gene Therapy" <i>American Scientist</i> 87:240-247 (1999).
	Marcinkowska and Więdołcha "Steroid Signal Transduction Activated at the Cell Membrane: from Plants to Animals," <i>Acta Biochimica Polonica</i> 49(3):735-745 (2002).
	Maruyama et al., "Proliferation and Erythroid Differentiation through the Cytoplasmic Domain of the Erythropoietin Receptor," <i>The Journal of Biological Chemistry</i> , 269(8):5976-5980 (1994).
B&H	Morgenstern and Land "Advanced Mammalian Gene Transfer: High Titre Retroviral Vectors with Multiple Drug Selection Markers and a Complementary Helper-Free Packaging Cell Line" <i>Nucleic Acids Research</i> 18:3587-3596 (1990).

EXAMINER	B. L. Senior	DATE CONSIDERED	2/19/04
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.			



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B2f	O'Farrell et al., "IL-10 Inhibits Macrophage Activation and Proliferation by Distinct Signaling Mechanisms: Evidence for Stat3-Dependent and -Independent Pathways," <i>The EMBO Journal</i> 17(4):1006-1018 (1998).						
	Roussel et al., "Colony-Stimulating Factor 1-Mediated Regulation of a Chimeric <i>c-fms/v-fms</i> Receptor Containing the <i>v-fms</i> -Encoded Tyrosine Kinase Domain" <i>Proc. Natl. Acad. Sci. USA</i> 85:5903-5907 (1988).						
	Verma and Somia, "Gene Therapy-Promises, Problems and Prospects," <i>Nature</i> 389:239-242 (1997).						
	Wang et al., "Yeast Two-Hybrid System Demonstrates that Estrogen Receptor Dimerization Is Ligand-Dependent <i>in Vivo</i> ," <i>The Journal of Biological Chemistry</i> , 270(40):23322-23329 (1995).						
B2f	Wimmel et al., "Autocrine Growth Inhibition by Transforming Growth Factor β -1 (TGF β -1) in Human Neuroendocrine Tumour Cells," <i>Gut</i> 52:1308-1316 (2003).						
EXAMINER	B.L. Lira			DATE CONSIDERED 7/19/04			
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BPR	Aki et al., "Identification and Characterization of Positive Regulatory Elements in the Human Glyceraldehyde 3-Phosphate Dehydrogenase Gene Promoter," J. Biochem. 122:271-276 (1997).						
	Avalos, "Molecular Analysis of the Granulocyte Colony-Stimulating Factor Receptor," Blood 88:761-777 (1996).						
	Berthois et al., "Phenol red in tissue culture media is a weak estrogen: Implications concerning the study of estrogen-responsive cells in culture," Proc. Natl. Acad. Sci. USA 83:2498-2500 (1986).						
	Blaese et al., "T Lymphocyte-Directed Gene Therapy for ADA-SCID: Initial Trial Results After 4 Years," Science 270:475-480 (1995).						
	Bordignon et al., "Gene Therapy in Peripheral Blood Lymphocytes and Bone Marrow for ADA-Immunodeficient Patients," Science 270:470-475 (1995).						
	Conneally et al., "Rapid and Efficient Selection of Human Hematopoietic Cells Expressing Murine Heat-Stable Antigen as an Indicator of Retroviral-Mediated Gene Transfer," Blood 87:458-464 (1996).						
	Danielian et al., "Identification of Residues in the Estrogen Receptor That Confer Differential Sensitivity to Estrogen and Hydroxytamoxifen," Molecular Endocrinology 7:232-240 (1993).						
	Dong et al., "Distinct Cytoplasmic Regions of the Human Granulocyte Colony-Stimulating Factor Receptor Involved in Induction of Proliferation and Maturation," Molecular and Cellular Biology 13:7774-7781 (1993).						
	Dunbar et al., "Gene Transfer into Hematopoietic Progenitor and Stem Cells: Progress and Problems," Stem Cells 12:563-576 (1994).						
BPR	Fukunaga et al., "Growth and Differentiation Signals Mediated by Different Regions in the Cytoplasmic Domain of Granulocyte Colony-Stimulating Factor Receptor," Cell 74:1079-1087 (1993).						
EXAMINER	B.L. Lison			DATE CONSIDERED 7/19/04			

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B&A	Fukunaga et al., "Functional domains of the granulocyte colony-stimulating factor receptor," The EMBO Journal 10:2855-2865 (1991).				
	Fukunaga et al., "Purification and Characterization of the Receptor for Murine Granulocyte Colony-stimulating Factor," The Journal of Biological Chemistry 265:14008-14015 (1990).				
	Gabbianelli et al., "Multi-Level Effects of flt3 Ligand on Human Hematopoiesis: Expression of Putative Stem Cells and Proliferation of Granulomonocytic Progenitors/Monocytic Precursors," Blood 85:1661-1670 (1995).				
	Gossen et al., "Tight control of gene expression in mammalian cells by tetracycline-responsive promoters," Proc. Natl. Acad. Sci. USA 89:5547-5551 (1992).				
	Hanania et al., "Serial transplantation shows that early hematopoietic precursor cells are transduced by MDR-1 retroviral vector in a mouse gene therapy model," Cancer Gene Therapy 1:21-25 (1994).				
	Hanlu et al., "Extracellular Domain of Granulocyte-Colony Stimulating Factor Receptor," Archives of Biochemistry and Biophysics 324:344-356 (1995).				
	Hockenbery et al., "Bcl-2 Functions in an Antioxidant Pathway to Prevent Apoptosis," Cell 75:241-251 (1993).				
	Hollenberg et al., "Use of a conditional MyoD transcription factor in studies of MyoD transactivation and muscle determination," Proc. Natl. Acad. Sci. USA 90:8028-8032 (1993).				
	Hope et al., "trans-Dominant Inhibition of Human Immunodeficiency Virus Type 1 Rev Occurs through Formation of Inactive Protein Complexes," Journal of Virology 66:1849-1855 (1992).				
	Hudak et al., "FLT3/FLK2 Ligand Promotes the Growth of Murine Stem Cells and the Expansion of Colony-Forming Cells and Spleen Colony-Forming Units," Blood 85:2747-2755 (1995).				
	Ikebuchi et al., "Granulocyte colony-stimulating factor enhances interleukin 3-dependent proliferation of multipotential hemopoietic progenitors," Proc. Natl. Acad. Sci. USA 85:3445-3449 (1988).				
	Ito et al., "Development of a Novel Selective Amplifier Gene for Controllable Expansion of Transduced Hematopoietic Cells," Blood 90:3884-3892 (1997).				
	Karlsson, "Treatment of Genetic Defects in Hematopoietic Cell Function by Gene Transfer," Blood 78:2481-2492 (1991).				
	Littlewood et al., "A modified oestrogen receptor ligand-binding domain as an improved switch for the regulation of heterologous proteins," Nucleic Acids Research 23:1686-1690 (1995).				
B&A	Luo et al., "Oligomerization activates c-Raf-1 through a Ras-dependent mechanism," Nature 383:181-185 (1996).				
EXAMINER	B. L. Lujan		DATE OF DISCLOSURE		2/19/04

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(37 C.F.R. §1.98(b))				
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)				
BLL	Medini et al., "A Bidstomic Therapeutic Retroviral Vector Enables Sorting of Transduced CD34+ Cells and Corrects the Enzyme Deficiency in Cells From Gaucher Patients," Blood 87:1754-1762 (1996).			
	Molineux et al., "The Effects on Hematopoiesis of Recombinant Stem Cell Factor (Ligand for c-kit) Administered In Vivo to Mice Either Alone or In Combination With Granulocyte Colony-Stimulating Factor," Blood 78:961-966 (1991).			
	Nagamune et al., "The development of artificial receptor-expressing cells capable of being switched by antigen-antibody reactions," Pharmacia 38(6):474-478 (2000). (English translation attached).			
	Pawliuk et al., "Selection of Retrovirally Transduced Hematopoietic Cells Using CD24 as a Marker of Gene Transfer," Blood 84:2868-2877 (1994).			
	Picard et al., "A Movable and Regulable Inactivation Function within the Steroid Binding Domain of the Glucocorticoid Receptor," Cell 54:1073-1080 (1988).			
	Planelles et al., "A new reporter system for detection of retroviral infection," Gene Therapy 2:369-376 (1995).			
	Richardson et al., "Preselection of Transduced Murine Hematopoietic Stem Cell Populations Leads to Increased Long-Term Stability and Expression of the Human Multiple Drug Resistance Gene," Blood 86:2579-2589 (1995).			
	Roemer et al., "Modulation of cell proliferation and gene expression by a p53-estrogen receptor hybrid protein," Proc. Natl. Acad. Sci. USA 90:9252-9258 (1993).			
	Romano et al., "Recent Advances, Prospects and Problems in Designing New Strategies for Oligonucleotide and Gene Delivery in Therapy," in vivo 12:59-68 (1998).			
	Sorrentino et al., "Selection of Drug-Resistant Bone Marrow Cells in Vivo After Retroviral Transfer of Human MDR1," Science 257:99-103 (1992).			
	Takebayashi et al., "Hormone-Induced Apoptosis by Fas-Nuclear Receptor Fusion Proteins: Novel Biological Tools for Controlling Apoptosis In Vivo," Cancer Research 58:4164-4170 (1998).			
	Tong et al., "In Vivo Administration of Recombinant Methionyl Human Stem Cell Factor Expands the Number of Human Marrow Hematopoietic Stem Cells," Blood 82:784-791 (1993).			
	Walsh et al., "A Functionally Active Retrovirus Vector for Gene Therapy in Fanconi Anemia Group C," Blood 84:453-459 (1994).			
	Welte et al., "Filgrastim (r-metHuG-CSF): The First 10 Years," Blood 88:1907-1929 (1996).			
	White et al., "Molecular Analysis of the Region of Distal 1p Commonly Deleted in Neuroblastoma," European Journal of Cancer 33:1957-1961 (1997).			
BLL	Yoshikawa et al., "Distinct signal transduction pathways for the regulation of human stem cell factor receptor expression," Blood 88:1907-1929 (1996).			

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